

Title (en)
INJECTION SOLUTION COMPRISING AN LHRH ANTAGONIST

Title (de)
INJEKTIONSLösUNG EINES LHRH-ANTAGONISTEN

Title (fr)
SOLUTION POUR INJECTION D'UN ANTAGONISTE LHRH

Publication
EP 1448221 A1 20040825 (DE)

Application
EP 02790384 A 20021115

Priority
• DE 10157628 A 20011126
• EP 0212798 W 20021115

Abstract (en)
[origin: WO03045419A1] The aqueous injection solution comprising an LHRH antagonist contains in addition to the LHRH antagonist, such as cetorelix, an organic, physiologically compatible acid and optionally a surfactant and also a framework builder. The LHRH antagonist has significantly improved solubility and can be prepared in higher concentrations and with an improved bioavailability. The aggregation tendency of the LHRH antagonist is significantly reduced.

IPC 1-7
A61K 38/09; **A61K 9/08**; **A61K 47/26**

IPC 8 full level
A61K 9/08 (2006.01); **A61K 9/00** (2006.01); **A61K 38/04** (2006.01); **A61K 38/09** (2006.01); **A61K 47/10** (2006.01); **A61K 47/12** (2006.01); **A61K 47/22** (2006.01); **A61K 47/26** (2006.01); **A61P 5/12** (2006.01); **A61P 5/36** (2006.01); **A61P 43/00** (2006.01)

CPC (source: EP KR)
A61K 9/0019 (2013.01 - EP); **A61K 9/08** (2013.01 - KR); **A61K 38/09** (2013.01 - EP KR); **A61K 47/26** (2013.01 - EP KR); **A61P 5/12** (2018.01 - EP); **A61P 5/36** (2018.01 - EP); **A61P 15/00** (2018.01 - EP); **A61P 15/08** (2018.01 - EP); **A61P 43/00** (2018.01 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03045419 A1 20030605; AR 037424 A1 20041110; AT E350050 T1 20070115; AU 2002365504 A1 20030610; AU 2002365504 B2 20070628; BR 0214412 A 20040914; BR PI0214412 B1 20160105; BR PI0214412 B8 20210525; CN 100404068 C 20080723; CN 1592630 A 20050309; CO 5580793 A2 20051130; CY 1106401 T1 20111012; DE 10157628 A1 20030612; DE 50209193 D1 20070215; DK 1448221 T3 20070319; EA 010787 B1 20081030; EA 200400742 A1 20041230; EP 1448221 A1 20040825; EP 1448221 B1 20070103; ES 2276970 T3 20070701; GE P20063861 B 20060626; HK 1073078 A1 20050923; HR P20040587 A2 20041031; HR P20040587 B1 20080131; HU 230992 B1 20190828; HU P0401986 A2 20050128; HU P0401986 A3 20120928; IL 161894 A0 20051120; IL 161894 A 20140528; IS 2725 B 20110315; IS 7251 A 20040506; JP 2005510544 A 20050421; JP 4343693 B2 20091014; KR 100936636 B1 20100114; KR 20040058312 A 20040703; ME 00499 B 20111010; MX PA04005018 A 20040811; NO 20042449 L 20040611; NO 333364 B1 20130513; NZ 533712 A 20060127; PL 206199 B1 20100730; PL 369548 A1 20050502; PT 1448221 E 20070330; RS 44904 A 20061027; RS 51408 B 20110228; RU 2004119821 A 20050420; RU 2322969 C2 20080427; SI 1448221 T1 20070630; TW 200300352 A 20030601; TW I312283 B 20090721; UA 81612 C2 20080125; ZA 200404051 B 20050525

DOCDB simple family (application)
EP 0212798 W 20021115; AR P020104523 A 20021125; AT 02790384 T 20021115; AU 2002365504 A 20021115; BR 0214412 A 20021115; CN 02823490 A 20021115; CO 04044748 A 20040514; CY 071100391 T 20070320; DE 10157628 A 20011126; DE 50209193 T 20021115; DK 02790384 T 20021115; EA 200400742 A 20021115; EP 02790384 A 20021115; ES 02790384 T 20021115; GE AP2002005568 A 20021115; HK 05105809 A 20050711; HR P20040587 A 20040624; HU P0401986 A 20021115; IL 16189402 A 20021115; IL 16189404 A 20040510; IS 7251 A 20040506; JP 2003546920 A 20021115; KR 20047007807 A 20021115; ME P80008 A 20021115; MX PA04005018 A 20021115; NO 20042449 A 20040611; NZ 53371202 A 20021115; PL 36954802 A 20021115; PT 02790384 T 20021115; RU 2004119821 A 20021115; SI 200230505 T 20021115; TW 91133846 A 20021120; UA 20040503816 A 20021115; YU P44904 A 20021115; ZA 200404051 A 20040525